Monitoreo del territorio a partir de información geoespacial
Comparación de satélites

SPOT 6 y SPOT 7
1,5m - 60km

Pléiades 1A and 1B
0,5m - 20km
Crop land area

The satellite images of the SPOT constellation have been used for the digitalization of the crop land area of 24.6 million hectares and 11,22 km of coastline.
Crop area estimation
GreenSat (CIMMYT-SIAP)

- Wheat producers
- Monitor the crop growth
- Focus on better decisions
- Amount of nitrogen is determined
PROAGRO Productivo
Identification of coffee surface using satellite imagery

- More than 500,000 producer registered.
- More than 800,000 geographical references of coffee farms.
- 10,007 coffee farms with geographical references through field work.
Risks for Sorghum Sowing

Balance between prepared and non-prepared soil to determine sowing

Determination of the embed stage, health and vigor

Determination of humidity suitability for sowing
Collaboration SAGARPA – SEMARNAT (CIAGRO)

Agricultural aptitude based in MAD-Mex, Crop land area and Natural Protected Areas

Agricultural Aptitude
- Suitable
- Unsuitable
Monitoring in feedlots

Feedlots of Vista Hermosa. Optical sensor.

Feedlots of Tamaún. Infrared sensor.
Monitoring boats by satellites

- Were indentified **3,344** vessels:
  - **739** were boats.
  - **2,605** ships.

![Image of boats and ships monitored by satellites]
Use of drones
Aquaculture, Chicosaen basin, Chiapas
Counting plants

1,555 agaves
Sugarcane Industry Atlas
Use of drones

Monitoring of areas of yellow dwarf, Tamaulipas
Hydrometeorological

Banana plantation  Coconut plantation

Images obtained in October 25, 2015 with Drones
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